

New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent *E. coli*
Catalog Number: C2527I
Packaging Lot Number: 10176530
Expiration Date: 01/2024
Storage Temperature: -80°C
Specification Version: PS-C2527H/I v1.0

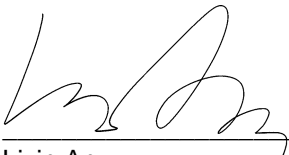
BL21(DE3) Competent <i>E. coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10173306	Pass
C2527IVIAL	BL21(DE3) Competent <i>E. coli</i>	10160748	Pass
B9020SVIAL	SOC Outgrowth Medium	10166766	Pass

Assay Name/Specification	Lot # 10176530
Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.	Pass
Transformation Efficiency 50 µl of BL21(DE3) Competent <i>E. coli</i> cells were transformed with 100 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >1 x 10 ⁷ cfu/µg of DNA.	Pass
Phage Resistance (φ 80) 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate does not support plaque formation by phage φ 80 after incubation for 16 hours at 37°C.	Pass

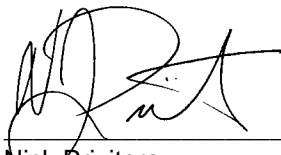
Assay Name/Specification	Lot # 10176530
<p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

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Lixin An
Production Scientist
12 Aug 2022



Nick Privitera
Packaging Quality Control Inspector
09 Jan 2023